

AMOS Series

NEW

VIA AMOS-5000

Fanless, Compact
Embedded Chassis for
EITX-3000

Features

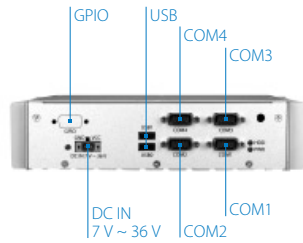
- Fanless operation from -20°C up to 55°C
- Easy, quick installation and maintenance with only five parts
- Anti-shock up to 50G with vibration resistant design to ensure extended reliability
- Modularized design with compact dimensions: 232mm(W) x 53mm(H) x 126mm(D)
- Easy to use inter-changeable and customizable front and rear panels
- Build-in common I/O functional feature cutouts for easy external access
- Maximum space efficiency for optimized electromagnetic compatibility



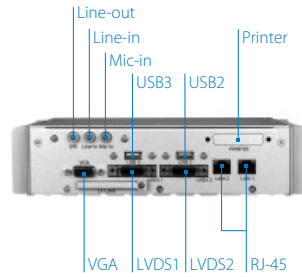
Specifications

Model Name	AMOS-5000	
Chassis Construction	Construction	Metal chassis housing Dual front & rear faceplates Aluminum bottom chassis housing mixed copper heat-pie (installed with EITX-3000 board) Optional storage sub-system chassis on the top of system
	Dimension	232 (w) x 53(H) x 126 (D) (mm) (when system equipped with aluminum bottom chassis housing) 232 (w) x 73(H) x 126 (D) (mm) (when system equipped with optional storage sub-system chassis)
	Weight	0.4 Kg (front plate & rear plate & top cover) 0.75 Kg (front plate & rear plate & top storage sub-system chassis)
Front I/O ports	LED	1 x Green color LED (onboard LED) 1 x Red color LED (onboard LED)
	COM	4 x Front-access COM ports by 4 x D-Sub 9-pin connectors (onboard 2 x RS232/422/485 by 2 x DB-9 connectors of COM 1 ~ 2, with support of RS485 AutoFlow control, 2 x RS232 by 2 x DB-9 connectors of COM 3 ~ 4)
	USB	2 x Front-access USB ports (onboard 2 x USB connectors, USB 2.0 compliant)
	GPIO	1 x Rear-access GPIO port by D-sub 9-pin male connector (default GPIO cable to support GPIO connector)
	Power Input	1 x 2-pole Phoenix power input connector (onboard power input connector)
	Power On/Off Switch	1x ATX Power on/off button (onboard power on/off button)
	Antenna Hole	1 x Antenna hole to support optional Wireless LAN module
Rear I/O ports	VGA	1 x Rear-access D-sub 15-pin VGA connector (onboard D-Sub 15-pin VGA connector)
	LVDS	2 x Rear-access D-sub 26-pin LVDS connectors (onboard 2 x DB-26 connectors as LVDS_1 and LVDS_2)
	LAN	2 x Rear-access RJ-45 connectors (onboard 2 x GigaLAN connectors as Giga LAN_1 and Giga LAN_2)
	USB	2 x Rear-access DIN connectors (default USB cable to support USB connectors)
	Audio	3 x Front-access 3.5Φ audio jack as speaker, Line-in and Mic-in (default audio cable to support audio connectors)
	Parallel	1 x Rear-access parallel port by a D-Sub 25-pin female connector (Optional print cable to support Parallel connectors)
	Board-Level Support	Compatibility
Drive Bay	HDD Bay	Default support 1 x 2.5" SATA hard disk drive bay locate underneath top cover by P/N AMOS-5000-1MZZA1 P/N AMOS-5000-2MZZA1, supporting 2 x 2.5" SATA hard disk drive bays through an additional storage chassis located above top cover
	Compact Flash	Default support a Compact Flash socket from EITX-3000 board

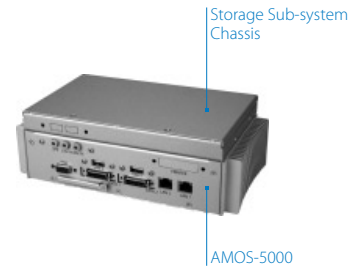
Front System IO



Rear System IO



Combination of AMOS-5000 and Sub-system Chassis



Specifications

Mounting	Supports table mount, wall mount (optional) Supports VESA mount (optional)	
Environmental Specifications	Operating Temperature	0°C ~ 45 °C (when system equipped with HDD) -20 up to 55°C (when system only equipped with Compact Flash)
	Storage Temperature	-20°C ~ 60 °C
	Relative Humidity	0 ~ 90% @ 45°C, non-condensing
	Vibration Loading during operation	With Compact Flash disk: 5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1 Oct./min, 1hr/axis With hard disk drive under top cover (P/N: AMOS-1000-1MZZA1) 1Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1 Oct./min, 1hr/axis
	Shock during operation	With Compact Flash Drive: 50G, IEC 60068-2-27, half size, 11ms duration With hard disk drive under top cover (P/N: AMOS-1000-1MZZA1) 20G, IEC 60068-2-27, half size, 11ms duration
	EMC Approved	CE, FCC,CCC Class A
	Safety Approved	CB, CCC

Ordering Information

Part Number	Description
AMOS-5000-1MZZA1	AMOS Embedded Chassis for EITX-3000 Em-ITX Board, with 1 x HDD Bay
AMOS-5000-1MSZA1	AMOS Embedded Chassis for EITX-3000 Em-ITX Board, with 2 x HDD Bay

Optional Accessories

External AC-to-DC Adapter and Power Cable

Part Number	Description
99G63-020186	AC-to-DC adapter, DC 19V/90W with 2-pole Phoenix Power Plug
99G33-02058C	Power Cable, 180 cm, USA type
99G33-02057C	Power Cable, 180 cm, Europe type
99G42-091316-A1	Mounting brackets for both wall and table mount

WLAN USB Module

Part Number	Description
EMIO-1530-00A1	802.11 b/g Wireless LAN USB module for USA
EMIO-1530-10A1	802.11 b/g Wireless LAN USB module for Europe

Optional Accessories

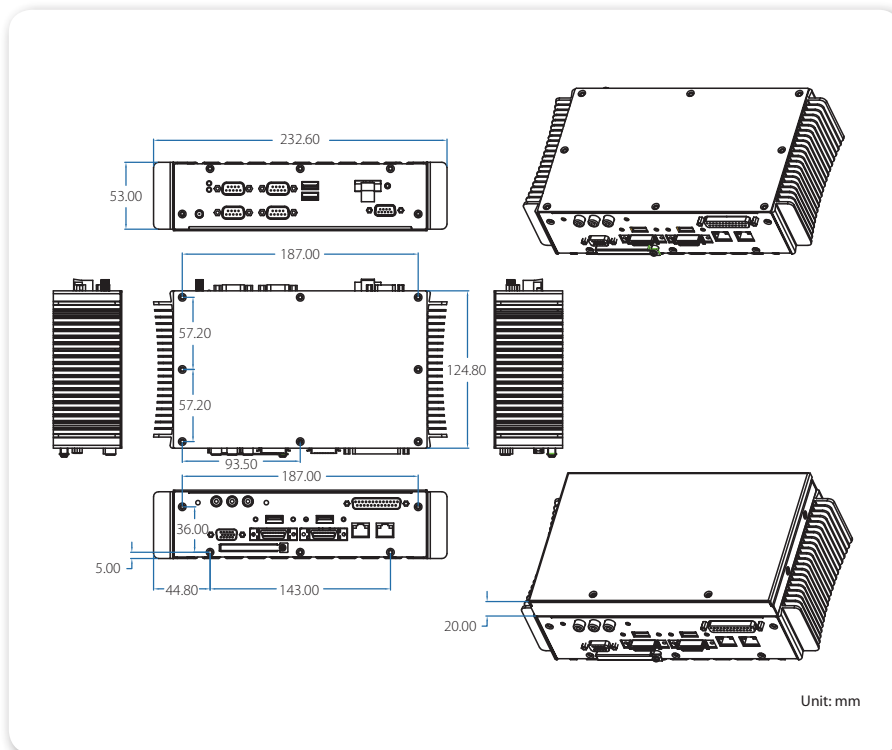
RAM Module, Flash Disk, and 2.5" Hard Disk Drive

Part Number	Description
99G06-010408	2GB DDR2 667MHz, 128Mx8 SDRAM SODIMM, industrial grade, for using at environmental, temperature up to 50°C
99G06-010398	1GB DDR2 667MHz, 128Mx8 SDRAM SODIMM, industrial grade, for using at environmental temperature up to 50°C
99G06-010178	1GB DDR2 667MHz, 64Mx8 SDRAM SODIMM, industrial grade, Tc of -40 ~ 85°C
99G61-060011	1GB Compact Flash disk, industrial grade, -40°C ~ 85°C
99G61-060021	2GB Compact Flash disk, industrial grade, -40°C ~ 85°C
99G61-060031	4GB Compact Flash disk, industrial grade, -40°C ~ 85°C
99G61-020114	250GB, 2.5" SATA HDD 5400RPM

Embedded OS (Only available for T-Parts OEM service)

Part Number	Description
POS-MXPELI-ENS04	Windows XP Embedded SP3 OS image and license, English version
VOS-UMELXI-ENS04	Linux, MID edition, OS image only , English Version

Dimensions



Packing List

- 1 x AMOS-5000 front I/O panel
- 1 x AMOS-5000 rear I/O panel
- 1 x AMOS-5000 top cover
- 1 x AMOS-5000 CF cover
- 1 x Cable tie package
- 1 x Audio cable
- 1 x GPIO cable
- 1 x Screws package
(for fastening chassis kits)



www.redlinx.co.za

www.viaembedded.com